

Date: December 12, 2013**Project No.:** 013-1646-013.500.01**To:** Will Ernst**Company:** The Boeing Company**From:** Denise Carscadden, PE**Email:** dcarscadden@golder.com**cc:** Kent Angelos and Ted Norton, Golder Associates Inc.**RE: BUILDING 2-09 FIRE SERVICE DISCONNECT AT 2-10 AREA FIRE HYDRANT COMPLETION**

1.0 INTRODUCTION

The Boeing Company (Boeing) recently completed demolition of the 2-09 Building above ground structure down to the concrete slab at the Plant 2 Facility in Seattle/Tukwila, Washington. To complete the demolition Boeing disconnected fire water service to the former building to stop a leaking service line. Boeing accessed the service line at a fire hydrant on the south side of the 2-10 Building approximately 75 feet from the 2-09 Building (Figures 1 and 2). On November 11, 2013, a small excavation (maximum of 6 feet deep) was completed to remove the 2-09 Building service. The excavation required the removal of pavement, primarily in base rock, pipe bedding and fill materials, and resulted in the removal of approximately 3 cubic yards of material. Because of the simplicity of the excavation, design figures are not provided.

The excavation for the work on the fire hydrant was not located within a RCRA unit, and groundwater was not encountered as the depth to groundwater at Plant 2 is typically 10 to 12 feet below ground surface (bgs).

2.0 HISTORICAL ANALYTICAL DATA

A review of historical analytical data indicated that no soil sampling had been conducted within a 25 foot radius of the fire hydrant excavation. No known facility activities, other than vehicle parking, are known to have occurred at the location. Because the excavated material consisted of pavement, base rock, bedding, and uncontaminated fill material, sampling was not warranted.



3.0 CONSTRUCTION SUPPORT ACTIVITIES

Construction support activities were conducted in accordance with Golder Associates Inc. (Golder's) August 2013 Plant 2 General Construction Health and Safety Plan (Golder 2013¹), and Boeing's environmental, health, and safety requirements.

The support activities included visual monitoring of the removal of pavement and soil from the excavation, and monitoring the excavated materials as needed for volatile organic compounds (VOCs) using a photoionization detector (PID). No unexpected conditions were encountered during construction activities. No impacted pavements or soils were observed or detected by the field monitoring. The excavated material was stockpiled on plastic adjacent to the excavation, characterized for disposal, and properly managed for disposal. No sampling of soil or groundwater was conducted based on the analytical data and field monitoring.

List of Figures

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| Figure 1 | Location and Vicinity, Fire Service Disconnect |
| Figure 2 | PIV Valve for Former 2-09 Building, Fire Service Disconnect |

¹ Golder Associates Inc. 2013. Boeing Plant 2 Support Services. General Site Construction Health and Safety Environmental Plan. Prepared for the Boeing Company. August 13.

FIGURES



